

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 11/06/2015 03:00 PM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124872	-1	5.66	124662	5.62
Blue	F	SSC	125000	122920	-2	2.92	123873	2.65
Blue	E	FITC	17224	16775	-3	2.62	946	9.74
Blue	D	PE	22462	21804	-3	2.16	981	8.86
Blue	B	PerCP-Cy5-5	63940	62711	-2	2.99	1649	14.45
Blue	A	PE-Cy7	72480	71407	-2	4.16	925	27.81
Red	C	APC	63778	62975	-2	2.57	3561	7.95
Red	A	APC-Cy7	97254	95909	-2	2.60	1902	7.86
Violet	B	V450	10730	10269	-5	3.49	638	8.42
Violet	A	V500	42147	41385	-2	3.15	2338	5.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18848	31.88	628	8	N/A	N/A	Pass
Blue	F	SSC	61455	1.66	531	4	N/A	N/A	Pass
Blue	E	FITC	103	37.07	542	3	0.0209	105	Pass
Blue	D	PE	202	27.42	535	3	0.1534	191	Pass
Blue	B	PerCP-Cy5-5	197	44.13	621	7	0.0094	24	Pass
Blue	A	PE-Cy7	66	117.05	681	8	0.0120	20	Pass
Red	C	APC	332	26.08	583	-1	0.0223	38	Pass
Red	A	APC-Cy7	119	37.74	564	-1	0.0049	749	Pass
Violet	B	V450	68	46.90	475	1	0.0461	2576	Pass
Violet	A	V500	152	23.69	506	3	0.0136	500	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.13	-30.79	0.70
Blue	20.48	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.17
Red	15.16	13.09 - 19.63	N/A	N/A	31.23	31.48	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9877

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments